

Section 18 Dust Palliative

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4-1801 General

The contractor is required to apply dust palliative under the direction of the resident engineer as provided in Section 18 of the *Standard Specifications*.

4-1801 General

4-1802 Before Work Begins

Determine whether a dust palliative should be applied in lieu of other methods of dust control. When making this decision, consider the effects on the environment, safety, and convenience as well as the obvious economic factors. Place an appropriate value on these factors. For assistance, call the district coordinator for the water pollution control plan or the district environmental unit. The district lab can help with recommendations for an acceptable type of control.

4-1802 Before Work Begins

4-1803 During the Course of Work

Advise the contractor of the rate of dilution for binders that are miscible in water. Make sufficient observations or checks to verify that the contractor obtained the required binder and that it was diluted properly.

4-1803 During the Course of Work

Advise the contractor of the desired rate, number, and limits of the application.

The proper rate and proportion must be found by experimenting with the soil involved. Large-particled, clean materials require thicker films of binder to make them stick together than do fine-grained particles. Dust palliative will not penetrate as effectively when there is a large percentage of binder because binders are heavy, viscous liquids. For example, when a well-compacted clay is being treated, it should be treated lightly and more frequently with a small percentage of binder so that better penetration will occur. When loose, uncompacted sand is being treated, it may be desirable to spray in heavier amounts with a larger proportion of binder.

4-1804 Measurement and Payment

In general, the above instructions apply only when separate payment is to be made for dust palliative, either under a contract item or by contract change order. Only allow payment for dust palliative when public traffic causes dust.

4-1804 Measurement and Payment

The resident engineer must keep records in sufficient detail to support payment for dust control while also excluding portions for which separate payment is not to be made. Record any verbal agreements about payment in the daily report.